

STATE OF MISSOURI  
**DEPARTMENT OF NATURAL RESOURCES**

MISSOURI CLEAN WATER COMMISSION



**MISSOURI STATE OPERATING PERMIT**

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92<sup>nd</sup> Congress) as amended,

Permit No. MO-0128309

Owner: Hutchinson Salt Company, Inc.  
Address: PO Box 346, Paola, KS 66071

Continuing Authority: Same as above  
Address: Same as above

Facility Name: Hutchinson Salt - BNSF Railyard  
Address: Route JJ, Marceline, MO 64658

Legal Description: NW ¼, SE ¼, Sec. 31, T57N, R18W, Linn County

Receiving Stream: Tributary to Walt Disney Lake (U)  
First Classified Stream and ID: Walt Disney Lake (L3)(07137)  
USGS Basin & Sub-watershed No.: (10280103-130004)

is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

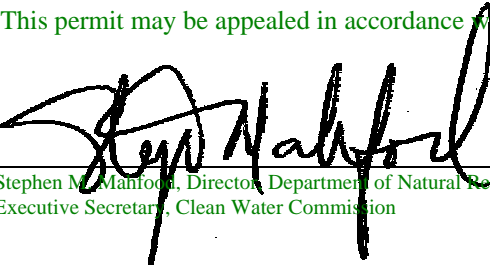
**FACILITY DESCRIPTION**

Outfalls #001 & #002 - Industry - SIC #5169  
Stormwater/no treatment/sodium chloride transfer facility.  
Design flow from Outfalls #001 & #002 combined totals 0.11 MGD.  
Actual flow is dependent on precipitation.

This permit authorizes only wastewater discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Section 644.051.6 of the Law.

April 4, 2003  
Effective Date

April 3, 2008  
Expiration Date  
MO 780-0041 (10-93)

  
Stephen M. Manfredi, Director, Department of Natural Resources  
Executive Secretary, Clean Water Commission

Jim Hull, Director of Staff, Clean Water Commission

<b>A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS</b>					PAGE NUMBER 2 of 3	
					PERMIT NUMBER MO-0128309	
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
Outfalls #001 & #002 Flow	MGD	*		*	once/quarter**	24 hr. estimate
Total Suspended Solids	mg/L	*		*	once/quarter**	grab
Total Settleable Solids	mL/L/hr	1.5		1.0	once/quarter**	grab
pH - Units	SU	***		***	once/quarter**	grab
Oil & Grease	mg/L	15		10	once/quarter**	grab
Chloride	mg/L	230		230	once/quarter**	grab
MONITORING REPORTS SHALL BE SUBMITTED <u>QUARTERLY</u> ; THE FIRST REPORT IS DUE <u>July 28, 2003</u> . THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						
<b>B. STANDARD CONDITIONS</b>						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Part I</u> STANDARD CONDITIONS DATED <u>October 1, 1980</u> , AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

MO 780-0010 (8/91)

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

- \* Monitoring requirement only.
- \*\* Sample once per quarter in the months of January, April, July & October. Sample shall be taken 30 to 60 minutes after storm water discharge begins. Storm water samples shall be collected within the first 60 minutes of storm events of 0.1 inches or greater, that result in a discharge.
- \*\*\* pH is measured in pH units and is not to be averaged. The pH is limited to the range of 6.5-9.0 pH units.

C. SPECIAL CONDITIONS

1. This permit may be reopened and modified, or alternatively revoked and reissued, to:
  - (a) Comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a) (2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:
    - (1) contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
    - (2) controls any pollutant not limited in the permit.
  - (b) Reflect additional terms and conditions as stated in the pending settlement agreement between the state and Hutchinson Salt Corporation.
  - (c) Incorporate new or modified effluent limitations or other conditions, if the result of a waste load allocation study, toxicity test or other information indicates changes are necessary to assure compliance with Missouri's Water Quality Standards.
  - (d) Incorporate new or modified effluent limitations or other conditions if, as the result of a watershed analysis, a Total Maximum Daily Load (TMDL) limitation is developed for the receiving waters which are currently included in Missouri's list of waters of the state not fully achieving the state's water quality standards, also called the 303(d) list.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Clean Water Act then applicable.

C. SPECIAL CONDITIONS (continued)

2. All outfalls must be clearly marked in the field.
3. Permittee will cease discharge by connection to areawide wastewater treatment system within 90 days of notice of its availability.

4. Changes in Discharges of Toxic Substances

The permittee shall notify the Director as soon as it knows or has reason to believe:

- (a) That any activity has occurred or will occur which would result in the discharge of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:"
    - (1) One hundred micrograms per liter (100 µg/L);
    - (2) Two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/L) for 2,5 dinitrophenol and for 2-methyl-4, 6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
    - (3) Five (5) times the maximum concentration value reported for the pollutant in the permit application;
    - (4) The level established in Part A of the permit by the Director.
  - (b) That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant, which was not reported in the permit application.
5. Report as no-discharge when a discharge does not occur during the report period.
  6. General Criteria. The following water quality criteria shall be applicable to all waters of the state at all times including mixing zones. No water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:
    - (a) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;
    - (b) Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;
    - (c) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;
    - (d) Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal or aquatic life;
    - (e) There shall be no significant human health hazard from incidental contact with the water;
    - (f) There shall be no acute toxicity to livestock or wildlife watering;
    - (g) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;
    - (h) Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles or equipment and solid waste as defined in Missouri's Solid Waste Law, section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to section 260.200-260.247.
  7. No long term stockpiling of salt will take place at this facility. Product will be directly offloaded from railcars onto awaiting trucks.
  8. Permittee will immediately implement housekeeping practices contained in the SWPPP submitted December 30, 2002.





Missouri Department of Natural Resources  
Water Pollution Control Program  
Planning Section

**Water Quality Review Sheet**  
**Determination of Effluent Limits**

**Facility Information**

FACILITY NAME: Hutchinson Salt NPDES #: MO-0128309

FACILITY TYPE/DESCRIPTION: Sodium chloride (de-icing material) storage facility  
in Marceline, MO. Material stored on land leased from  
Burlington Northern Santa Fe (BNSF) Railway.

ECOREGION: Central Irregular Plains 8- DIGIT HUC: 10280103 COUNTY: Linn  
Central Irregular Plains  
Mississippi Alluvial Plains  
Osage Plains  
Ozark Highlands

LEGAL DESCRIPTION: NW SE Sec. 31, T57N, R18W LATITUDE/LONGITUDE: +3942255/-09257223

WATER QUALITY HISTORY: New site-specific stormwater permit. Currently under  
enforcement action for fish kill August 15, 2002.

**Outfall Characteristics**

OUTFALL	DESIGN FLOW (CFS)	TREATMENT TYPE	RECEIVING WATERBODY	OTHER
001	Variable	Stormwater	Walt Disney Lake	

**Receiving Waterbody Information**

WATERBODY	CLASS	7Q10(CFS)	*DESIGNATED USES	OTHER CHARACTERISTICS
Trib. to Walt Disney Lake	U	0.0	None	0.14 miles to L3
Walt Disney Lake	L3	N/A	LWW, AQL, WBC	WBID: 7137

\*Cool Water Fishery (CLF), Cold Water Fishery (CDF), Irrigation (IRR), Industrial (IND),  
Boating & Canoeing (BTG), Drinking Water Supply (DWS), Whole Body Contact Recreation (WBC),  
Protection of Warmwater Aquatic Life and Human Health (AQL), Livestock & Wildlife Watering (LWW)

COMMENTS Walt Disney Lake has an area of 18 acres per Missouri's Water Quality  
Standards (10 CSR 20-7.031, Table G). Facility outfall location estimated  
using Marceline Quadrangle USGS 7.5' Topographic map. Outfall location is  
approximately 0.14 miles from Walt Disney Lake via stormwater tributary.

**MIXING CONSIDERATIONS**

**Mixing Zone.**

No mixing zone allowed due to unclassified receiving stream.

**Zone of Initial Dilution (Z.I.D.).**

No Z.I.D. allowed due to unclassified receiving stream.

**Permit Limits And Information**

TMDL WATERSHED: ☐ N W.L.A. STUDY CONDUCTED: ☐ N DISINFECTION REQUIRED: ☐ N DISINFECTION WAIVER: ☐ N  
(Y OR N) (Y OR N) (Y OR N) (Y, N, NA)

**OUTFALL# 001:** Untreated stormwater runoffWET TEST (Y OR N): ☐ N FREQUENCY: N/A A.E.C. N/A LIMIT: N/A

PARAMETER	UNITS	MAXIMUM DAILY	WEEKLY AVERAGE	MONTHLY AVERAGE	MONITORING FREQUENCY	SAMPLE TYPE
Flow	MGD	*		*	Once/Quarter	24 Hour Total
Total Suspended Solids	mg/L	*		*	Once/Quarter	Grab
Total Settleable Solids	mL/L/hr	1.5		1.0	Once/Quarter	Grab
pH	SU	6.5 - 9		6.5 - 9	Once/Quarter	Grab
Oil and Grease	mg/L	15		10	Once/Quarter	Grab
Chloride	mg/L	230		230	Once/Quarter	Grab

**Receiving Water Monitoring Requirements**

No in-stream/lake monitoring requested at this time.

**Derivation and Discussion of Limits****Outfall 001:**

- **Total Settleable Solids.** 1.0 mL/L/hr monthly average, 1.5 mL/L/hr weekly average or Best Available Technology (BAT) limits.
- **pH.** Criterion; 6.5 - 9 standard units from 10 CSR 20-7.031(4)(E).
- **Oil & Grease.** Criterion; 10 mg/L monthly average from 10 CSR 20-7.031 (Table A - Chronic). Maximum daily value 1.5 times average monthly value.
- **Chloride.** Comments received by WPCP-Permit Section from Hutchinson Salt indicate sodium chloride, not calcium chloride, is currently stored at the Marceline facility. Stormwater effluent limits for chloride have been modified to reflect this change.

The sodium chloride stored at the Hutchinson Salt facility has the potential to harm aquatic life and is a water quality concern during rainfall events. Due to the short distance and rapid inflow of stormwater from the facility into Walt Disney Lake, it is believed chronic chloride criteria (230 mg/L) will be most protective of aquatic life in the lake. WPCP-Permit Section staff concur with this assessment.

Reviewer: JH  
Date: 10/17/02  
Modified: 1/30/03  
Unit Chief: MD